

Access DB# 76459

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Gess Examiner #: 59472 Date: 9/25/02
 Art Unit: 160 Phone Number 30 84531 Serial Number: 828270
 Mail Box and Bldg/Room Location: 3309 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

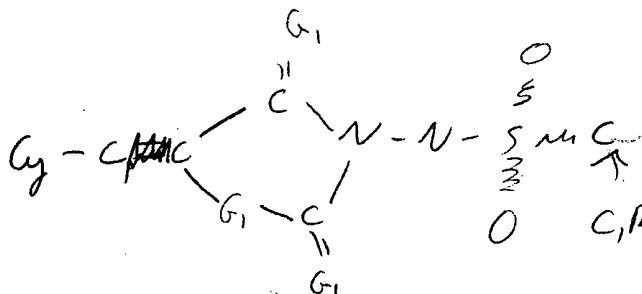
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.


$$G_j = 0, 5, 2$$

Jan Delaval
Reference Librarian
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Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) ✓ _____
Bibliographic _____
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____ ✓ _____

Dialog _____

Questel/Orbit _____

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Sequence Systems _____

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Other (specify) _____

=> fil reg
FILE 'REGISTRY' ENTERED AT 13:36:06 ON 25 SEP 2002
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STRUCTURE FILE UPDATES: 23 SEP 2002 HIGHEST RN 454421-17-1
DICTIONARY FILE UPDATES: 23 SEP 2002 HIGHEST RN 454421-17-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

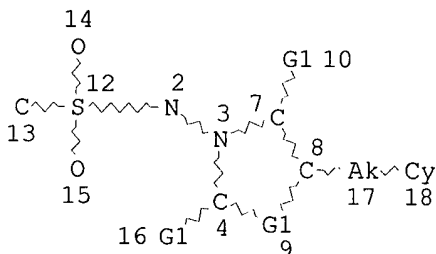
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que l6

L3 STR



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Reference Librarian
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VAR G1=O/S/N
NODE ATTRIBUTES:
NSPEC IS RC AT 13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L6 108 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED 304 ITERATIONS
SEARCH TIME: 00.00.06

108 ANSWERS

=> d his l6-

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L6 108 S L3 FUL
SAV BOB828/A L6

FILE 'HCAOLD' ENTERED AT 13:35:35 ON 25 SEP 2002
L7 0 S L6

FILE 'USPATFULL, USPAT2' ENTERED AT 13:35:39 ON 25 SEP 2002
L8 0 S L6

FILE 'HCAPLUS' ENTERED AT 13:35:43 ON 25 SEP 2002
L9 1 S L6

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=> fil hcaplus

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FILE COVERS 1907 - 25 Sep 2002 VOL 137 ISS 13
FILE LAST UPDATED: 24 Sep 2002 (20020924/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d 19 all

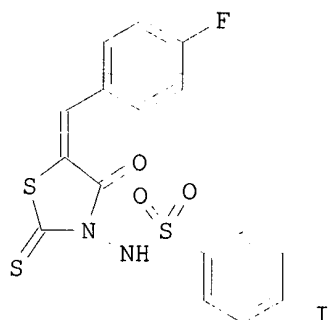
L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
AN 2001:762981 HCAPLUS
DN 135:303880
TI Preparation of thiazolidines as NS5B HCV polymerase inhibitors for
therapeutic use in the treatment and prevention of hepatitis C infection
IN Jaen, Juan C.; Piper, Derek E.; Powers, Jay P.; Walker, Nigel P. C.; Li,
Yang
PA Tularik Inc., USA
SO PCT Int. Appl., 83 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07D277-36
ICS C07D277-34; C07D207-48; A61K031-426; A61K031-428; A61K031-4015;
A61P031-12
CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 63
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001077091	A2	20011018	WO 2001-US11240	20010405
	WO 2001077091	A3	20020321		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-194912P P 20000405
 OS MARPAT 135:303880
 GI



AB Compds., such as X1-L1-X2-A-L2-Ar1 [A = electrophilic group that reacts with a cysteine residue of the RdRp protein; Ar1 = aryl, heteroaryl; L1, L2 = linking group, such as CH2CH2, CH:CH, C.tplbond.C, O, S, SO, SO2, CO, C(O)O, alkylene, heteroalkylene, etc.; X1 = H, CN, CO2H, SO3H, alkyl, aryl, heteroaryl, etc.; X2 = aryl, heteroaryl, cycloalkyl, heterocyclyl], were prepd. for pharmaceutical use in the treatment of diseases caused by hepatitis C virus infection. Thus, thiazolidine I was prepd. via cyclocondensation of PhSO2NHNH2 and C(S)(SCH2CO2H)2 by heating in water at 95.degree. for 2h to form N-(4-oxo-2-thioxo-3-thiazolidinyl)benzenesulfonamide which was subsequently condensed with F-4-C6H4CHO in MeOH using NaOAc. The prepd. compds. were tested for RNA polymerase inhibitory activity. Also, pharmaceutical compns. for delivery of the antiviral agents were discussed.

ST thiazolidine prepn antiviral agent hepatitis C; RNA polymerase inhibitor
 thiazolidine prepn

IT Antiviral agents
 Hepatitis C virus

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 4120-64-3P 4703-96-2P 4992-29-4P 5447-37-0P 6318-36-1P
 6318-37-2P 6326-22-3P 6326-75-6P 7249-37-8P 17521-20-9P
 17592-96-0P 23509-49-1P 23517-83-1P 24138-83-8P 28996-47-6P
 34560-01-5P 35533-27-8P 154013-80-6P 221286-84-6P
300818-66-0P 300818-67-1P 300818-68-2P
300818-69-3P 300818-70-6P 301687-85-4P 301687-86-5P
 324565-28-8P 330570-41-7P 331261-32-6P 353517-31-4P
366807-86-5P 366807-87-6P 366807-89-8P 366807-92-3P
 366807-94-5P **366807-96-7P 366807-99-0P**
366808-01-7P 366808-03-9P 366808-05-1P
366808-07-3P 366808-09-5P 366808-11-9P
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366808-19-7P 366808-21-1P 366808-23-3P
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366808-61-9P 366808-62-0P 366808-63-1P
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366808-85-7P 366808-86-8P 366808-89-1P 366808-92-6P
366809-01-0P 366809-02-1P 366809-12-3P 366809-14-5P 366809-15-6P
366809-16-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 9026-28-2, RNA-dependent RNA polymerase

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 80-17-1 98-60-2 98-88-4, Benzoyl chloride 104-88-1, reactions
108-27-0 349-88-2 459-57-4 1438-16-0 2642-63-9 6287-38-3
6326-83-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

IT 99073-20-8P 301343-38-4P 366809-17-8P 366809-18-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of thiazolidines as NS5B HCV polymerase inhibitors for therapeutic use in the treatment and prevention of hepatitis C infection)

=> fil reg

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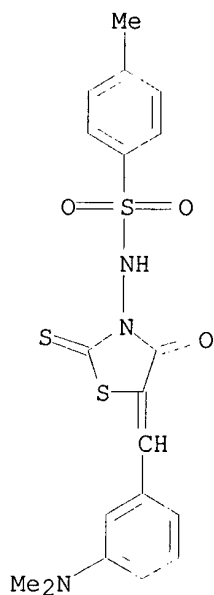
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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

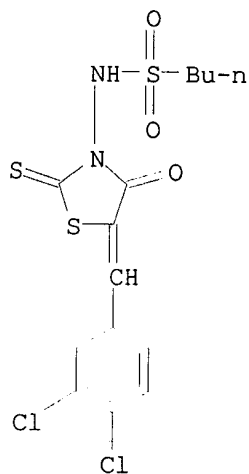
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L6 ANSWER 1 OF 108 REGISTRY COPYRIGHT 2002 ACS
RN 384849-01-8 REGISTRY
CN Benzenesulfonamide, N-[5-[[3-(dimethylamino)phenyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]-4-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H19 N3 O3 S3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 10 OF 108 REGISTRY COPYRIGHT 2002 ACS
RN 366808-73-3 REGISTRY
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LC STN Files: CA, CAPLUS

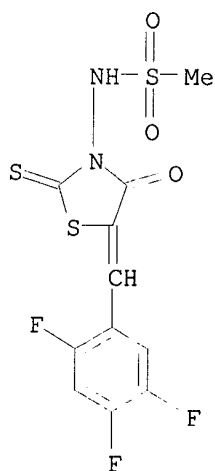


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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:303880

L6 ANSWER 20 OF 108 REGISTRY COPYRIGHT 2002 ACS
RN 366808-63-1 REGISTRY
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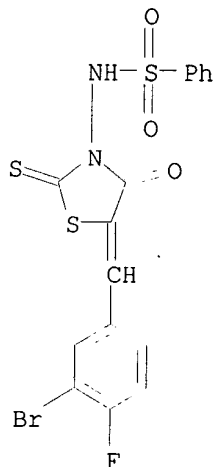


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REFERENCE 1: 135:303880

L6 ANSWER 30 OF 108 REGISTRY COPYRIGHT 2002 ACS
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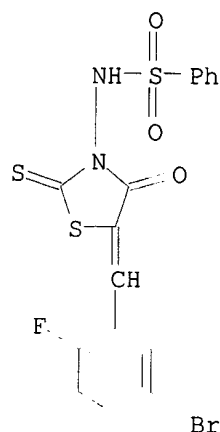


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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:303880

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LC STN Files: CA, CAPLUS

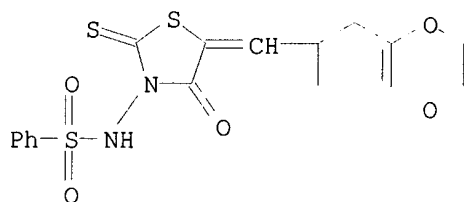


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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

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L6 ANSWER 50 OF 108 REGISTRY COPYRIGHT 2002 ACS
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LC STN Files: CA, CAPLUS

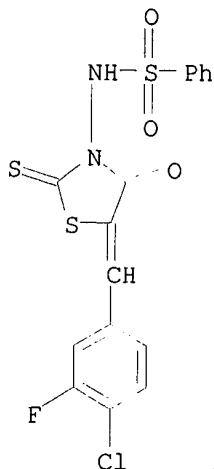


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LC STN Files: CA, CAPLUS

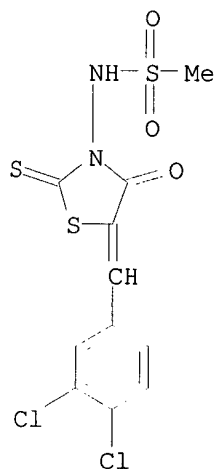


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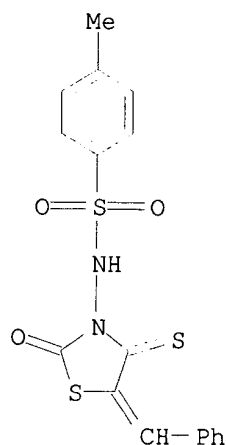


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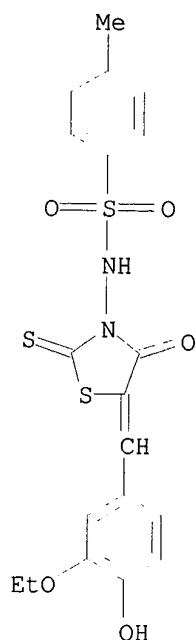
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L6 ANSWER 80 OF 108 REGISTRY COPYRIGHT 2002 ACS
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MF C17 H14 N2 O3 S3
SR Chemical Library
LC STN Files: CHEMCATS



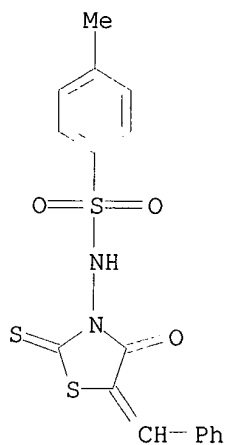
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SR Chemical Library
LC STN Files: CHEMCATS



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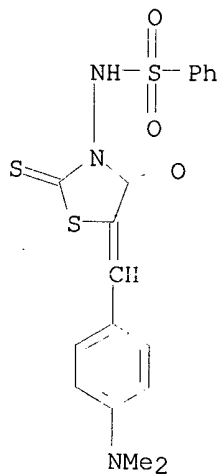
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 RN 300818-72-8 REGISTRY
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 SR Chemical Library
 LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 108 OF 108 REGISTRY COPYRIGHT 2002 ACS

RN 299950-71-3 REGISTRY
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MF C18 H17 N3 O3 S3
SR Chemical Library
LC STN Files: CHEMCATS



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